

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	10/773097	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/16 16:15
S2	2	("5194860").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/16 11:46
S3	2	("5448230").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/16 11:53
S4	2	("5553094").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/16 11:58
S5	2	("5763252").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/16 11:59
S6	2	("5963146").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/16 12:13
S7	2	("6061453").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/16 12:14
S8	2	("6172616").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/16 12:21
S9	89713	(utility or electric or gas or water) with meter	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/16 16:41
S10	51326	(receiver or transmitter) with (electric or battery)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/16 12:24
S11	311764	(reader or computer or terminal or computer) near5 (wireless or mobile or remote)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/16 12:26

## EAST Search History

S12	200	S9 and S10 and S11	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/16 12:26
S13	54	S12 and (AMR or automatic meter reading)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/16 12:32
S14	35	S13 and (@ad <"20030905" or @pd<"20030905" or @prad<"20030905" or @rlad<"20030905")	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/17 15:35
S15	50	(US-20050086182-\$ or US-20050057371-\$ or US-20060009927-\$ or US-20060255965-\$ or US-20050052288-\$ or US-20060202856-\$ or US-20050053047-\$ or US-20040263352-\$ or US-20040114737-\$ or US-20050068193-\$ or US-20060038700-\$ or US-20050068194-\$ or US-20050259580-\$ or US-20070013549-\$ or US-20050179561-\$ or US-20050237959-\$ or US-20050238044-\$ or US-20070057812-\$ or US-20050083925-\$ or US-20050162283-\$ or US-20050240540-\$ or US-20060103547-\$ or US-20030020632-\$).did. or (US-6208696-\$ or US-6996215-\$ or US-7116243-\$ or US-5602744-\$ or US-5808558-\$ or US-6181257-\$ or US-6239690-\$ or US-5617084-\$ or US-6073169-\$ or US-4817131-\$ or US-4866761-\$ or US-5896097-\$ or US-5914673-\$ or US-5923269-\$ or US-6347135-\$ or US-5485509-\$ or US-5204896-\$ or US-4542469-\$ or US-7180412-\$ or US-5563491-\$ or US-4132981-\$ or US-5677947-\$ or US-5767790-\$ or US-5751797-\$ or US-5856791-\$ or US-7057525-\$). did. or (US-7167102-\$).did.	US-PGPUB; USPAT	ADJ	ON	2007/04/16 15:19
S16	32	S15 and (@ad <"20030905" or @pd<"20030905" or @prad<"20030905" or @rlad<"20030905")	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/16 15:46

## EAST Search History

S17	18	S15 not S16	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/16 15:46
S18	14	("20020109607"   "20030016142"   "4387296"   "5056107"   "5140351"   "5553096"   "5801643"   "5897607"   "5963146"   "6172616"   "6333975"   "6373399"   "6653945").PN. OR ("6996215"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/16 15:54
S19	135368	(utility or utilities or electric or electricity or gas or water or power ) with (meter or metering)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/16 16:58
S20	2780015	(receiver or transceiver or transmitter or computer)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/16 16:54
S21	239939	(reader or device) near5 (wireless or remote)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/16 16:53
S22	4192	S19 and S20 and S21	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/16 16:53
S23	2582	S19 and ( S20 same S21)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/16 16:54
S24	189765	(receiver or transceiver or transmitter or computer) same (battery or electric or electricity)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/16 16:56
S25	91169	(receiver or transceiver or transmitter or computer) same (battery)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/16 16:57
S26	221	S19 and (S21 same S25)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/16 16:57
S27	205984	(utility or utilities or electric or electricity or gas or water or power ) same (meter or metering)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/16 16:59

## EAST Search History

S28	58099	((utility or utilities or electric or electricity or gas or water or power ) same (meter or metering)).ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/17 15:19
S29	155	S28 and S21 and S25	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/16 17:00
S30	32	S28 and (S21 same S25)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/16 17:01
S31	29	S30 and (@ad <"20030905" or @pd<"20030905" or @prad<"20030905" or @rlad<"20030905")	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/18 11:06
S32	2	("6622097").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/17 14:22
S33	0	"10773097"	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/17 15:03
S34	1	"10/773097"	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/17 15:03
S35	240179	(reader or device) near5 (wireless or remote)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/17 15:20
S36	91243	(receiver or transceiver or transmitter or computer) same (battery)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/17 15:20
S37	58103	((utility or utilities or electric or electricity or gas or water or power ) same (meter or metering)).ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/17 15:22
S38	155	S37 and S35 and S36	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/17 15:20
S39	2912	((multiple or plurality or at least one or several) near5 (receiver or transceiver or transmitter or computer)) same (battery)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/17 15:38

## EAST Search History

S40	206064	((utility or utilities or electric or electricity or gas or water or power ) same (meter or metering))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/17 15:42
S41	70	S35 and S39 and S40	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/17 15:23
S42	3897	(update or updating or updated or monitor or monitoring or monitored or transmit or transmitting or transmitted) with (meter or metering) with (daily or hourly or hour or minute or second)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/17 15:34
S43	0	S41 and S42	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/17 15:25
S44	9057	(update or updating or updated or monitor or monitoring or monitored or transmit or transmitting or transmitted) with (consumption or consume or usage or use) with (daily or hourly or hour or minute or second)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/17 15:27
S45	6	S41 and S44	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/17 15:27
S46	64	S41 not S45	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/17 15:34
S47	969	((multiple or plurality or at least one or several) near5 (receiver or transceiver or transmitter or computer)) near20 (battery)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/17 15:36
S48	55	S46 and (@ad <"20030905" or @pd<"20030905" or @prad<"20030905" or @rlad<"20030905")	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/17 15:46
S49	2923	((multiple or plurality or at least one or several) near5 (receiver or transceiver or transmitter or computer)) same ((battery and DC or electricity or electric))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/17 15:44

## EAST Search History

S50	1284	((multiple or plurality or at least one or several) near5 (receiver or transceiver or transmitter or computer)) near20 ((battery and DC or electricity or electric))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/17 15:45
S51	24	S35 and S40 and S50	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/17 15:45
S52	23	S51 and (@ad <"20030905" or @pd<"20030905" or @prad<"20030905" or @rlad<"20030905")	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/17 15:53
S53	106	"5056107"	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/17 15:53
S54	2	("5056107").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/17 15:53
S55	19	"6333975"	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/17 16:47
S56	2	("6333975").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/17 16:47
S57	0	("10773097").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/17 17:36
S58	1	10/773097	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/17 17:42
S59	20857	battery near4 (backup or back up or back-up)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/17 17:44
S60	1	10/773097	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/18 10:51
S61	206064	((utility or utilities or electric or electricity or gas or water or power ) same (meter or metering))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/18 15:36

## EAST Search History

S62	197	S61 and (battery with (backup or back-up or back up)) same (AC near4 (power or electricity or electric))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/18 10:59
S63	10	S62 and "705".\$ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/18 11:05
S64	245877	((multiple or plurality or at least one or several) near5 (receiver or transceiver or transmitter or computer))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/18 16:06
S65	46	S62 and S64	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/18 11:06
S66	41	S65 and (@ad <"20030905" or @pd<"20030905" or @prad<"20030905" or @rlad<"20030905")	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/18 15:41
S67	30	S66 and wireless	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/18 12:17
S68	5	meter.ti. and (battery same wireless same (backup or "back-up" or "back up"))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/18 13:10
S69	10	meter.ab. and (battery same wireless same (backup or "back-up" or "back up")) and (@ad <"20030905" or @pd<"20030905" or @prad<"20030905" or @rlad<"20030905")	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/18 13:10
S70	19	((utility or utilities or electric or electricity or gas or water or power ) same (meter or metering)) and ("falsing")	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/18 15:48
S71	14	S70 and (@ad <"20030905" or @pd<"20030905" or @prad<"20030905" or @rlad<"20030905")	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/18 15:41
S72	260	((utility or utilities or electric or electricity or gas or water or power ) same (meter or metering)) and ("bubble-up" or bubble-up or bubble up)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/18 16:17

## EAST Search History

S73	216	S72 and (@ad <"20030905" or @pd<"20030905" or @prad<"20030905" or @rlad<"20030905")	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/18 16:18
S74	2	S73 and "705".\$ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/18 15:59
S75	8	S73 and ((receiver or transceiver or transmitter or computer) same wireless)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/18 16:10
S76	21	((utility or utilities or electric or electricity or gas or water or power ) same (meter or metering)) and ("bubble-up" or bubble-up or bubble up) with (period or time or length )	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/18 16:17
S77	21	((utility or utilities or electric or electricity or gas or water or power ) same (meter or metering)) and ("bubble-up" or bubble-up or bubble up) with (period or time or length)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/18 16:18
S78	8	S77 and (@ad <"20030905" or @pd<"20030905" or @prad<"20030905" or @rlad<"20030905")	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/18 16:18
S79	32	(US-20030117896-\$ or US-20040125889-\$ or US-20020109607-\$ or US-20040114737-\$ or US-20060220903-\$ or US-20060158347-\$ or US-20040006439-\$ or US-20070001868-\$ or US-20020039068-\$ or US-20050043059-\$ or US-20020019712-\$ or US-20040078153-\$ or US-20030001754-\$ or US-20020072868-\$ or US-20020027504-\$ or US-20030193405-\$).did. or (US-6657552-\$ or US-6996215-\$ or US-6710721-\$ or US-6172616-\$ or US-5963146-\$ or US-5553094-\$ or US-5448230-\$ or US-5056107-\$ or US-5602744-\$ or US-5914673-\$ or US-6836737-\$ or US-7135956-\$ or US-6822555-\$ or US-6633823-\$ or US-6373399-\$ or US-6124806-\$). did.	US-PGPUB; USPAT	ADJ	ON	2007/04/18 16:30

## EAST Search History

S80	0	S79 and (bubble-up)]	US-PGPUB; USPAT	ADJ	ON	2007/04/18 16:32
S81	4	S79 and (bubble up)	US-PGPUB; USPAT	ADJ	ON	2007/04/18 16:32
S82	0	S79 and falsing	US-PGPUB; USPAT	ADJ	ON	2007/04/18 16:32
S83	2	("7049976").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/20 13:01
S84	1	10/773097	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/04/20 13:01